LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

DOTD 03-22-4196 English 4/98

## LABORATORY MOISTURE - DENSITY RELATIONSHIP DOTD TR 418 - Methods E & F (English)

PROJECT NO:		DATE:			LAB NO:					
TYPE ADDITIVE:		TYPE SOIL:			SAMPLE NO:					
ESTED BY:		CHECKED	BY:							
SIEVE Reta			orated Ret., Ib (F)	% Retained (F/E) x 100 (G)		Adjusted Weight, lb (G x 15) +100		Accumulated Weight Ib		
1" A		MARKET BEST OF STREET								
3/4" B <sub>1</sub>		<del></del>						-		
1/2" B <sub>2</sub> No. 4 B <sub>3</sub>		<del></del>								
No. 10 B <sub>4</sub>		>				<b>†</b>				
Subtotal C A + \(\sum_{B_1, p}\)	>	27/20					a distribution			
- No. 10 D								15.	00	
Total E C + D				100		- K	= 15.00			
*MAY DRY DENCITY OF MATERIAL /	TD 410 F	TD 415 A\ lb/6+3	-		Н			T		
*MAX. DRY DENSITY OF MATERIAL (_										
*REQUIRED % BY VOL. OF ADDITIVE (	TR 432-A	., TR 432-B, TF	R 416, sp	pecified)						
*% WT. OF ADDITIVE ( chart, formula)					J					
DRY WT. OF MATERIAL (Representative Portion), Ib					К			15.00		
*WT. OF ADDITIVE TO BE ADDED, Ib					L	(J x K	) ÷ 100			
*TOTAL DRY WT. OF MATERIAL AND ADDITIVE, Ib					м	К	+ L			
FOR USE WITH DOTD TR 418, METHOD F ONLY.			-							
TOR OSE WITH DOTD IN 416, METHOD TOKET.				<u></u>					T	
CURVE POINT NO.	***	CARAGO A	1	2	$\perp$	3	4	5	6	
WATER ADDED, mL	N	See Calculations								
WT. MOLD, BASE (if appl.) & WET MATL, lb	0	and the second second								
WT. MOLD & BASE (if applicable), lb	Р	monagenperse (250)			$\perp$					
WT. WET COMPACTED MATERIAL, Ib	a	O - P								
VOLUME OF MOLD (or specimen), ft <sup>3</sup>	R	De ne segon france (All actions 2002 Segons Action (All Actions							,	
WT. OF PAN & DRY MATERIAL, Ib	s				$\perp$					
WT. OF PAN, Ib	Т	200			$\perp$					
WT. OF DRY MATERIAL, Ib	DW	S - T	-	-	$\bot$				-	
WT. OF WATER, Ib	ww	Q - DW	<del> </del>		+					
WET DENSITY, lb/ft <sup>3</sup>	WWD	Q/R		ļ.	$\perp$					
MOISTURE CONTENT, %	МС	(WW/DW) x 100	-	-	_					
DRY DENSITY, lb/ft <sup>3</sup>	DWD	WWD × 100								